Isabel pastoriza Santos

List of Publications by Year
in descending order

182 papers	23,770 citations	8749 75 h-index	7340 152 g-index
196 all docs	196 docs citations	196 times ranked	24795 citing authors

#	Article	IF	Citations
1	Colloidal Metalâ€Halide Perovskite Nanoplatelets: Thicknessâ€Controlled Synthesis, Properties, and Application in Lightâ€Emitting Diodes. Advanced Materials, 2022, 34, e2107105.	11.1	124
2	Polyallylamine assisted synthesis of 3D branched AuNPs with plasmon tunability in the vis-NIR region as refractive index sensitivity probes. Journal of Colloid and Interface Science, 2022, 611, 695-705.	5.0	3
3	Enhanced Light Absorption in Allâ€Polymer Biomimetic Photonic Structures by Nearâ€Zeroâ€Index Organic Matter. Advanced Functional Materials, 2022, 32, .	7.8	8
4	Bolaform Surfactantâ€Induced Au Nanoparticle Assemblies for Reliable Solutionâ€Based Surfaceâ€Enhanced Raman Scattering Detection. Advanced Materials Technologies, 2022, 7, .	3.0	1
5	Methodological Approaches for Monitoring Five Major Food Safety Hazards Affecting Food Production in the Galiciaâ€“Northern Portugal Euroregion. Foods, 2022, 11, 84.	1.9	1
6	Discrete metal nanoparticles with plasmonic chirality. Chemical Society Reviews, 2021, 50, 3738-3754.	18.7	99
7	Advances in Plasmonic Sensing at the NIRâ€”A Review. Sensors, 2021, 21, 2111.	2.1	23
8	Structure and Formation Kinetics of Millimeterâ€Size Single Domain Supercrystals. Advanced Functional Materials, 2021, 31, 2101869.	7.8	9
9	Plasmonic MOF Thin Films with Raman Internal Standard for Fast and Ultrasensitive SERS Detection of Chemical Warfare Agents in Ambient Air. ACS Sensors, 2021, 6, 2241-2251.	4.0	63
10	Plasmonic metalâ€organic frameworks. SmartMat, 2021, 2, 446-465.	6.4	49
11	Effect of Gold Nanoparticles on Transport Properties of the Protic Ionic Liquid Propylammonium Nitrate. Journal of Chemical & Engineering Data, 2021, 66, 3028-3037.	1.0	3
12	Prospects and applications of synergistic noble metal nanoparticle-bacterial hybrid systems. Nanoscale, 2021, 13, 18054-18069.	2.8	6
13	Dimensionality Control of Inorganic and Hybrid Perovskite Nanocrystals by Reaction Temperature: From Noâ€Confinement to 3D and 1D Quantum Confinement. Angewandte Chemie - International Edition, 2021, 60, 26677-26684.	7.2	49
14	Plasmonic Au@Ag@mSiO₂ Nanorattles for In Situ Imaging of Bacterial Metabolism by Surface-Enhanced Raman Scattering Spectroscopy. ACS Applied Materials & Interfaces, 2021, 13, 61587-61597.	4.0	7
15	Outside Front Cover: Volume 2 Issue 4. SmartMat, 2021, 2, .	6.4	0
16	Present and Future of Surface-Enhanced Raman Scattering. ACS Nano, 2020, 14, 28-117.	7.3	2,153
17	Pd nanoparticles as a plasmonic material: synthesis, optical properties and applications. Nanoscale, 2020, 12, 23424-23443.	2.8	55
18	An Expanded Surface-Enhanced Raman Scattering Tags Library by Combinatorial Encapsulation of Reporter Molecules in Metal Nanoshells. ACS Nano, 2020, 14, 14655-14664.	7.3	20

#	Article	IF	Citations
19	Integrating Plasmonic Supercrystals in Microfluidics for Ultrasensitive, Label-Free, and Selective Surface-Enhanced Raman Spectroscopy Detection. ACS Applied Materials & Interfaces, 2020, 12, 46557-46564.	4.0	27
20	Programmable Modular Assembly of Functional Proteins on Raman-Encoded Zeolitic Imidazolate Framework-8 (ZIF-8) Nanoparticles as SERS Tags. Chemistry of Materials, 2020, 32, 5739-5749.	3.2	32
21	The versatility of Fe(II) in the synthesis of uniform citrate-stabilized plasmonic nanoparticles with tunable size at room temperature. Nano Research, 2020, 13, 2351-2355.	5.8	12
22	Ultrasensitive inkjet-printed based SERS sensor combining a high-performance gold nanosphere ink and hydrophobic paper. Sensors and Actuators B: Chemical, 2020, 320, 128412.	4.0	33
23	Pdâ€“Au Heteropentamers: Selective Growth of Au on Pd Tetrahedral Nanoparticles with Enhanced Electrocatalytic Activity. Crystal Growth and Design, 2020, 20, 5863-5867.	1.4	10
24	Recent Progress in Surface-Enhanced Raman Scattering for the Detection of Chemical Contaminants in Water. Frontiers in Chemistry, 2020, 8, 478.	1.8	59
25	SERS-Based Molecularly Imprinted Plasmonic Sensor for Highly Sensitive PAH Detection. ACS Sensors, 2020, 5, 693-702.	4.0	65
26	Multiple SERS Detection of Phenol Derivatives in Tap Water. Proceedings (mdpi), 2020, 70, .	0.2	2
27	Plasmonic Supercrystals. Accounts of Chemical Research, 2019, 52, 1855-1864.	7.6	68
28	Screen-printed GPH electrode modified with Ru nanoplates and PoPD polymer film for NADH sensing: Design and characterization. Electrochimica Acta, 2019, 300, 316-323.	2.6	18
29	Iron(II) as a Green Reducing Agent in Gold Nanoparticle Synthesis. ACS Sustainable Chemistry and Engineering, 2019, 7, 8295-8302.	3.2	18
30	Highly porous palladium nanodendrites: wet-chemical synthesis, electron tomography and catalytic activity. Dalton Transactions, 2019, 48, 3758-3767.	1.6	25
31	Surface-enhanced Raman scattering (SERS) imaging of bioactive metabolites in mixed bacterial populations. Applied Materials Today, 2019, 14, 207-215.	2.3	36
32	Osteogenic effects of simvastatin-loaded mesoporous titania thin films. Biomedical Materials (Bristol), 2018, 13, 025017.	1.7	13
33	Plasmonic polymer nanocomposites. Nature Reviews Materials, 2018, 3, 375-391.	23.3	187
34	Surface-Enhanced Raman Scattering Spectroscopy for Label-Free Analysis of P. aeruginosa Quorum Sensing. Frontiers in Cellular and Infection Microbiology, 2018, 8, 143.	1.8	29
35	Pillar[5]areneâ€stabilized Plasmonic Nanoparticles as Selective SERS Sensors. Israel Journal of Chemistry, 2018, 58, 1251-1260.	1.0	6
36	Light Scattering versus Plasmon Effects: Optical Transitions in Molecular Oxygen near a Metal Nanoparticle. Journal of Physical Chemistry C, 2018, 122, 15625-15634.	1.5	16

#	Article	IF	Citations
37	Gold nanoparticles for regulation of cell function and behavior. Nano Today, 2017, 13, 40-60.	6.2	86
38	Screen-printed carbon electrodes doped with TiO2-Au nanocomposites with improved electrocatalytic performance. Materials Today Communications, 2017, 11, 11-17.	0.9	14
39	Imaging Bacterial Interspecies Chemical Interactions by Surface-Enhanced Raman Scattering. ACS Nano, 2017, 11, 4631-4640.	7.3	66
40	Plasmonic/magnetic nanocomposites: Gold nanorods-functionalized silica coated magnetic nanoparticles. Journal of Colloid and Interface Science, 2017, 502, 201-209.	5.0	35
41	Nanoplasmonically-engineered random lasing in organic semiconductor thin films. Nanoscale Horizons, 2017, 2, 261-266.	4.1	13
42	Structure and vacancy distribution in copper telluride nanoparticles influence plasmonic activity in the near-infrared. Nature Communications, 2017, 8, 14925.	5.8	38
43	Au@Ag SERRS tags coupled to a lateral flow immunoassay for the sensitive detection of pneumolysin. Nanoscale, 2017, 9, 2051-2058.	2.8	91
44	Pillar[5]arene-Based Supramolecular Plasmonic Thin Films for Label-Free, Quantitative and Multiplex SERS Detection. ACS Applied Materials & Interfaces, 2017, 9, 26372-26382.	4.0	31
45	Shape control in ZIF-8 nanocrystals and metal nanoparticles@ZIF-8 heterostructures. Nanoscale, 2017, 9, 16645-16651.	2.8	116
46	Biogenic Synthesis of Metal Nanoparticles Using a Biosurfactant Extracted from Corn and Their Antimicrobial Properties. Nanomaterials, 2017, 7, 139.	1.9	42
47	Nanocolloids of Noble Metals. , 2016, , 37-73.		0
48	Encapsulation of Single Plasmonic Nanoparticles within ZIFâ€8 and SERS Analysis of the MOF Flexibility. Small, 2016, 12, 3935-3943.	5.2	142
49	Plasmonic Au@Pd Nanorods with Boosted Refractive Index Susceptibility and SERS Efficiency: A Multifunctional Platform for Hydrogen Sensing and Monitoring of Catalytic Reactions. Chemistry of Materials, 2016, 28, 9169-9180.	3.2	85
50	Sterilization Case Study 1: Effects of Different Sterilization Techniques on Gold Nanoparticles. Frontiers in Nanobiomedical Research, 2016, , 77-92.	0.1	0
51	Hydrophilic Pt nanoflowers: synthesis, crystallographic analysis and catalytic performance. CrystEngComm, 2016, 18, 3422-3427.	1.3	31
52	Detection and imaging of quorum sensing in Pseudomonas aeruginosa biofilm communities by surface-enhanced resonance Raman scattering. Nature Materials, 2016, 15, 1203-1211.	13.3	290
53	Silver Ions Direct Twin-Plane Formation during the Overgrowth of Single-Crystal Gold Nanoparticles. ACS Omega, 2016, 1, 177-181.	1.6	18
54	Galvanic Replacement Coupled to Seeded Growth as a Route for Shape-Controlled Synthesis of Plasmonic Nanorattles. Journal of the American Chemical Society, 2016, 138, 11453-11456.	6.6	83

#	Article	IF	Citations
55	Fano Interference in the Optical Absorption of an Individual Goldâ€“Silver Nanodimer. Nano Letters, 2016, 16, 6311-6316.	4.5	20
56	Bioimaging: Au@pNIPAM SERRS Tags for Multiplex Immunophenotyping Cellular Receptors and Imaging Tumor Cells (Small 33/2015). Small, 2015, 11, 4220-4220.	5.2	2
57	Effect of the Cross-Linking Density on the Thermoresponsive Behavior of Hollow PNIPAM Microgels. Langmuir, 2015, 31, 1142-1149.	1.6	46
58	Governing the morphology of Ptâ€“Au heteronanocrystals with improved electrocatalytic performance. Nanoscale, 2015, 7, 8739-8747.	2.8	42
59	Using Surface Enhanced Raman Scattering to Analyze the Interactions of Protein Receptors with Bacterial Quorum Sensing Modulators. ACS Nano, 2015, 9, 5567-5576.	7.3	50
60	Time-Resolved Investigations of the Cooling Dynamics of Metal Nanoparticles: Impact of Environment. Journal of Physical Chemistry C, 2015, 119, 12757-12764.	1.5	41
61	Plasmon-enhanced light harvesting: applications in enhanced photocatalysis, photodynamic therapy and photovoltaics. RSC Advances, 2015, 5, 29076-29097.	1.7	196
62	Gold Nanorodâ€“pNIPAM Hybrids with Reversible Plasmon Coupling: Synthesis, Modeling, and SERS Properties. ACS Applied Materials & Interfaces, 2015, 7, 12530-12538.	4.0	105
63	Au@pNIPAM SERRS Tags for Multiplex Immunophenotyping Cellular Receptors and Imaging Tumor Cells. Small, 2015, 11, 4149-4157.	5.2	72
64	Nanocrystal engineering of noble metals and metal chalcogenides: controlling the morphology, composition and crystallinity. CrystEngComm, 2015, 17, 3727-3762.	1.3	113
65	Gold Nanooctahedra with Tunable Size and Microfluidic-Induced 3D Assembly for Highly Uniform SERS-Active Supercrystals. Chemistry of Materials, 2015, 27, 8310-8317.	3.2	85
66	Gold nanoparticle-loaded filter paper: a recyclable dip-catalyst for real-time reaction monitoring by surface enhanced Raman scattering. Chemical Communications, 2015, 51, 4572-4575.	2.2	170
67	Enhanced electrochemical sensing of polyphenols by an oxygen-mediated surface. RSC Advances, 2015, 5, 5024-5031.	1.7	28
68	Palladium Nanoparticle-Loaded Cellulose Paper: A Highly Efficient, Robust, and Recyclable Self-Assembled Composite Catalytic System. Journal of Physical Chemistry Letters, 2015, 6, 230-238.	2.1	82
69	Nickel Nanoparticle-Doped Paper as a Bioactive Scaffold for Targeted and Robust Immobilization of Functional Proteins. ACS Nano, 2014, 8, 6221-6231.	7.3	38
70	Star-shaped magnetite@gold nanoparticles for protein magnetic separation and SERS detection. RSC Advances, 2014, 4, 3690-3698.	1.7	86
71	Inactivation and Adsorption of Human Carbonic Anhydrase II by Nanoparticles. Langmuir, 2014, 30, 9448-9456.	1.6	22
72	Metal Nanoparticles and Supramolecular Macrocycles: A Tale of Synergy. Chemistry - A European Journal, 2014, 20, 10874-10883.	1.7	123

#	Article	IF	Citations
73	Nontoxic impact of PEG-coated gold nanospheres on functional pulmonary surfactant-secreting alveolar type II cells. Nanotoxicology, 2014, 8, 813-823.	1.6	23
74	Pillar[5]areneâ€Mediated Synthesis of Gold Nanoparticles: Size Control and Sensing Capabilities. Chemistry - A European Journal, 2014, 20, 8404-8409.	1.7	46
75	Nanoplasmonic Enhancement of the Emission of Semiconductor Polymer Composites. Journal of Physical Chemistry C, 2013, 117, 16577-16583.	1.5	19
76	Reliable Methods for Silica Coating of Au Nanoparticles. Methods in Molecular Biology, 2013, 1025, 75-93.	0.4	7
77	Multifunctionality in metal@microgel colloidal nanocomposites. Journal of Materials Chemistry A, 2013, 1, 20-26.	5.2	65
78	Size Tunable Au@Ag Coreâ€“Shell Nanoparticles: Synthesis and Surface-Enhanced Raman Scattering Properties. Langmuir, 2013, 29, 15076-15082.	1.6	303
79	Allâ€Inâ€One Optical Heaterâ€Thermometer Nanoplatform Operative From 300 to 2000 K Based on Er³⁺ Emission and Blackbody Radiation. Advanced Materials, 2013, 25, 4868-4874.	11.1	264
80	Dimethylformamide-mediated synthesis of water-soluble platinum nanodendrites for ethanol oxidation electrocatalysis. Nanoscale, 2013, 5, 4776.	2.8	51
81	Optical Response of Individual Auâ€“Ag@SiO₂ Heterodimers. ACS Nano, 2013, 7, 2522-2531.	7.3	86
82	Interfacial Activity of Pulmonary Surfactant Combined with Gold Nanoparticles: A Promising Tool in Lung Medicine. Biophysical Journal, 2013, 104, 677a.	0.2	0
83	Au@Ag Nanoparticles: Halides Stabilize {100} Facets. Journal of Physical Chemistry Letters, 2013, 4, 2209-2216.	2.1	138
84	Shape-Templated Growth of Au@Cu Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 2474-2479.	1.5	31
85	Investigating the acoustic response of gold nanoparticle coated microbubbles. Proceedings of Meetings on Acoustics, 2013, , .	0.3	1
86	Overgrowth and Crystalline Structure of Gold Nanorods. Microscopy and Microanalysis, 2012, 18, 67-68.	0.2	1
87	Growth and branching of gold nanoparticles through mesoporous silica thin films. Nanoscale, 2012, 4, 931-939.	2.8	37
88	Static and Dynamic Plasmon-Enhanced Light Scattering from Dispersions of Polymer-Grafted Silver Nanoprisms in the Bulk and Near Solid Surfaces. Journal of Physical Chemistry C, 2012, 116, 3888-3896.	1.5	16
89	Tailoring the properties of grafted silver nanoprism composites. Polymer, 2012, 53, 5771-5778.	1.8	8
90	Seedless Synthesis of Single Crystalline Au Nanoparticles with Unusual Shapes and Tunable LSPR in the near-IR. Chemistry of Materials, 2012, 24, 1393-1399.	3.2	47

#	Article	IF	Citations
91	Effects of Gold Nanoparticles on the Stability of Microbubbles. Langmuir, 2012, 28, 13808-13815.	1.6	42
92	Plasmon Spectroscopy and Imaging of Individual Gold Nanodecahedra: A Combined Optical Microscopy, Cathodoluminescence, and Electron Energy-Loss Spectroscopy Study. Nano Letters, 2012, 12, 4172-4180.	4.5	139
93	A general LbL strategy for the growth of pNIPAM microgels on Au nanoparticles with arbitrary shapes. Soft Matter, 2012, 8, 4165-4170.	1.2	45
94	Colloidal Synthesis of Gold Semishells. ChemistryOpen, 2012, 1, 90-95.	0.9	15
95	Protein/Polymerâ€Based Dualâ€Responsive Gold Nanoparticles with pHâ€Dependent Thermal Sensitivity. Advanced Functional Materials, 2012, 22, 1436-1444.	7.8	111
96	Spiked Gold Beads as Substrates for Singleâ€Particle SERS. ChemPhysChem, 2012, 13, 2561-2565.	1.0	56
97	Dispersed and Encapsulated Gain Medium in Plasmonic Nanoparticles: a Multipronged Approach to Mitigate Optical Losses. ACS Nano, 2011, 5, 5823-5829.	7.3	66
98	Acoustic Vibrations of Metal-Dielectric Coreâ€“Shell Nanoparticles. Nano Letters, 2011, 11, 3016-3021.	4.5	49
99	Physical aging of polystyrene/gold nanocomposites and its relation to the calorimetric Tg depression. Soft Matter, 2011, 7, 3607.	1.2	89
100	Photoluminescence of Individual Au/CdSe Nanocrystal Complexes with Variable Interparticle Distances. Journal of Physical Chemistry Letters, 2011, 2, 2466-2471.	2.1	48
101	Spatially resolved measurements of plasmonic eigenstates in complex-shaped, asymmetric nanoparticles: gold nanostars. EPJ Applied Physics, 2011, 54, 33512.	0.3	34
102	Chemical Solution Approaches to YBa₂Cu₃O_{7â^'Î´}-Au Nanocomposite Superconducting Thin Films. Journal of Nanoscience and Nanotechnology, 2011, 11, 3245-3255.	0.9	16
103	Flow Dichroism as a Reliable Method to Measure the Hydrodynamic Aspect Ratio of Gold Nanoparticles. ACS Nano, 2011, 5, 4935-4944.	7.3	33
104	Nanostars shine bright for you. Current Opinion in Colloid and Interface Science, 2011, 16, 118-127.	3.4	364
105	Synthetic Routes and Plasmonic Properties of Noble Metal Nanoplates. European Journal of Inorganic Chemistry, 2010, 2010, 4288-4297.	1.0	64
106	Rapid Epitaxial Growth of Ag on Au Nanoparticles: From Au Nanorods to Coreâ€“Shell Au@Ag Octahedrons. Chemistry - A European Journal, 2010, 16, 5558-5563.	1.7	83
107	Growing Au/Ag Nanoparticles within Microgel Colloids for Improved Surfaceâ€Enhanced Raman Scattering Detection. Chemistry - A European Journal, 2010, 16, 9462-9467.	1.7	82
108	The Crystalline Structure of Gold Nanorods Revisited: Evidence for Higherâ€Index Lateral Facets. Angewandte Chemie - International Edition, 2010, 49, 9397-9400.	7.2	145

#	Article	IF	Citations
109	Chemical seeded growth of Ag nanoparticle arrays and their application as reproducible SERS substrates. Nano Today, 2010, 5, 21-27.	6.2	109
110	Sterilization Matters: Consequences of Different Sterilization Techniques on Gold Nanoparticles. Small, 2010, 6, 89-95.	5.2	65
111	Growth of pentatwinned gold nanorods into truncated decahedra. Nanoscale, 2010, 2, 2377.	2.8	56
112	Two-Dimensional Quasistatic Stationary Short Range Surface Plasmons in Flat Nanoprisms. Nano Letters, 2010, 10, 902-907.	4.5	103
113	Symmetry Cancellations in the Quadratic Hyperpolarizability of Non-Centrosymmetric Gold Decahedra. Journal of Physical Chemistry Letters, 2010, 1, 874-880.	2.1	19
114	Growth of Sharp Tips on Gold Nanowires Leads to Increased Surface-Enhanced Raman Scattering Activity. Journal of Physical Chemistry Letters, 2010, 1, 24-27.	2.1	74
115	Tuning Size and Sensing Properties in Colloidal Gold Nanostars. Langmuir, 2010, 26, 14943-14950.	1.6	447
116	Influence of Silver Nanoparticles Concentration on the Î±- to Î²-Phase Transformation and the Physical Properties of Silver Nanoparticles Doped Poly(vinylidene fluoride) Nanocomposites. Journal of Nanoscience and Nanotechnology, 2009, 9, 2910-2916.	0.9	42
117	N,Nâ€Dimethylformamide as a Reaction Medium for Metal Nanoparticle Synthesis. Advanced Functional Materials, 2009, 19, 679-688.	7.8	357
118	Au@pNIPAM Thermosensitive Nanostructures: Control over Shell Crossâ€linking, Overall Dimensions, and Core Growth. Advanced Functional Materials, 2009, 19, 3070-3076.	7.8	148
119	Au@pNIPAM Colloids as Molecular Traps for Surfaceâ€Enhanced, Spectroscopic, Ultraâ€Sensitive Analysis. Angewandte Chemie - International Edition, 2009, 48, 138-143.	7.2	286
120	Microcontainers with Fluorescent Anisotropic Zeolite L Cores and Isotropic Silica Shells. Angewandte Chemie - International Edition, 2009, 48, 1266-1270.	7.2	44
121	Aerobic Synthesis of Cu Nanoplates with Intense Plasmon Resonances. Small, 2009, 5, 440-443.	5.2	147
122	Multiresponsive Hybrid Colloids Based on Gold Nanorods and Poly(NIPAM-co-allylacetic acid) Microgels: Temperature- and pH-Tunable Plasmon Resonance. Langmuir, 2009, 25, 3163-3167.	1.6	114
123	Direct imaging of surface plasmon resonances on single triangular silver nanoprisms at optical wavelength using low-loss EFTEM imaging. Optics Letters, 2009, 34, 1003.	1.7	77
124	Quantitative Determination of the Size Dependence of Surface Plasmon Resonance Damping in Single Ag@SiO₂ Nanoparticles. Nano Letters, 2009, 9, 3463-3469.	4.5	190
125	Spectroscopy, Imaging, and Modeling of Individual Gold Decahedra. Journal of Physical Chemistry C, 2009, 113, 18623-18631.	1.5	71
126	Highly Controlled Silica Coating of PEG-Capped Metal Nanoparticles and Preparation of SERS-Encoded Particles. Langmuir, 2009, 25, 13894-13899.	1.6	200

#	Article	IF	Citations
127	Field gradient imaging of nanoparticle systems: analysis of geometry and surface coating effects. Nanotechnology, 2009, 20, 095708.	1.3	7
128	Synthesis of Multifunctional Composite Microgels via In Situ Ni Growth on pNIPAM-Coated Au Nanoparticles. ACS Nano, 2009, 3, 3184-3190.	7.3	76
129	Zeptomol Detection Through Controlled Ultrasensitive Surface-Enhanced Raman Scattering. Journal of the American Chemical Society, 2009, 131, 4616-4618.	6.6	520
130	Preparation And Properties Of Flexible Nanocomposites, Obtained By A Combination Of Colloidal Chemistry And Sol-Gel Approach. NATO Science for Peace and Security Series B: Physics and Biophysics, 2009, , 245-250.	0.2	0
131	Fabrication of nano-structured gold films by electrohydrodynamic atomisation. Applied Physics A: Materials Science and Processing, 2008, 91, 141-147.	1.1	29
132	Modeling the Optical Response of Highly Faceted Metal Nanoparticles with a Fully 3D Boundary Element Method. Advanced Materials, 2008, 20, 4288-4293.	11.1	116
133	Encapsulation and Growth of Gold Nanoparticles in Thermoresponsive Microgels. Advanced Materials, 2008, 20, 1666-1670.	11.1	247
134	Modelling the optical response of gold nanoparticles. Chemical Society Reviews, 2008, 37, 1792.	18.7	1,072
135	Colloidal silver nanoplates. State of the art and future challenges. Journal of Materials Chemistry, 2008, 18, 1724.	6.7	376
136	Effects of elastic anisotropy on strain distributions in decahedral gold nanoparticles. Nature Materials, 2008, 7, 120-124.	13.3	290
137	High-yield synthesis and optical response of gold nanostars. Nanotechnology, 2008, 19, 015606.	1.3	602
138	Temperature, pH, and Ionic Strength Induced Changes of the Swelling Behavior of PNIPAMâ^'Poly(allylacetic acid) Copolymer Microgels. Langmuir, 2008, 24, 6300-6306.	1.6	173
139	Thermoresponsive coreâ€“shell microgels with silica nanoparticle cores: size, structure, and volume phase transition of the polymer shell. Physical Chemistry Chemical Physics, 2008, 10, 6708.	1.3	39
140	Influence of the Medium Refractive Index on the Optical Properties of Single Gold Triangular Prisms on a Substrate. Journal of Physical Chemistry C, 2008, 112, 3-7.	1.5	142
141	Plasmonics of Gold Nanorods. Considerations for Biosensing. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , 103-111.	0.2	3
142	Quantitative strain determination in nanoparticles using aberration-corrected HREM. , 2008, , 221-222.		0
143	Hyperspectral imaging of gold dimers. , 2007, , .		0
144	Mapping Surface Plasmons on a Single Mmetallic Nanoparticle using Sub-nm Resolved EELS Spectrum-Imaging. Microscopy and Microanalysis, 2007, 13, .	0.2	10

#	Article	IF	Citations
145	The Effect of Silica Coating on the Optical Response of Sub-micrometer Gold Spheres. Journal of Physical Chemistry C, 2007, 111, 13361-13366.	1.5	96
146	Plasmon Coupling in Layer-by-Layer Assembled Gold Nanorod Films. Langmuir, 2007, 23, 4606-4611.	1.6	119
147	Spectroscopy and High-Resolution Microscopy of Single Nanocrystals by a Focused Ion Beam Registration Method. Angewandte Chemie - International Edition, 2007, 46, 3517-3520.	7.2	51
148	Chemical Sharpening of Gold Nanorods: The Rodâ€toâ€Octahedron Transition. Angewandte Chemie - International Edition, 2007, 46, 8983-8987.	7.2	127
149	Environmental Optical Sensitivity of Gold Nanodecahedra. Advanced Functional Materials, 2007, 17, 1443-1450.	7.8	106
150	Inside Front Cover: Environmental Optical Sensitivity of Gold Nanodecahedra (Adv. Funct. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	7.8	1
151	Nanorod-Coated PNIPAM Microgels: Thermoresponsive Optical Properties. Small, 2007, 3, 1222-1229.	5.2	250
152	Mapping surface plasmons on a single metallic nanoparticle. Nature Physics, 2007, 3, 348-353.	6.5	908
153	On the temperature stability of gold nanorods: comparison between thermal and ultrafast laser-induced heating. Physical Chemistry Chemical Physics, 2006, 8, 814-821.	1.3	292
154	Bending Contours in Silver Nanoprisms. Journal of Physical Chemistry B, 2006, 110, 11796-11799.	1.2	52
155	Silica-Coating and Hydrophobation of CTAB-Stabilized Gold Nanorods. Chemistry of Materials, 2006, 18, 2465-2467.	3.2	379
156	Optically Active Poly(dimethylsiloxane) Elastomer Films Through Doping with Gold Nanoparticles. Journal of Nanoscience and Nanotechnology, 2006, 6, 453-458.	0.9	25
157	Metallodielectric Hollow Shells: Optical and Catalytic Properties. Chemistry - an Asian Journal, 2006, 1, 730-736.	1.7	37
158	Printing gold nanoparticles with an electrohydrodynamic direct-write device. Gold Bulletin, 2006, 39, 48-53.	3.2	47
159	A Versatile Approach for the Preparation of Thermosensitive PNIPAM Coreâ€“Shell Microgels with Nanoparticle Cores. ChemPhysChem, 2006, 7, 2298-2301.	1.0	141
160	Formation of Silver Nanoprisms with Surface Plasmons at Communication Wavelengths. Advanced Functional Materials, 2006, 16, 766-773.	7.8	235
161	Synthesis and Optical Properties of Gold Nanodecahedra with Size Control. Advanced Materials, 2006, 18, 2529-2534.	11.1	365
162	Unstable Reshaping of Gold Nanorods Prepared by a Wet Chemical Method in the Presence of Silver Nitrate. Journal of Nanoscience and Nanotechnology, 2006, 6, 3355-3359.	0.9	22

#	Article	IF	Citations
163	Gold nanorods: Synthesis, characterization and applications. Coordination Chemistry Reviews, 2005, 249, 1870-1901.	9.5	1,867
164	Preparation of Noble Metal Colloids and Selected Structures. , 2005, , 1-24.		1
165	Tunable Whispering Gallery Mode Emission from Quantum-Dot-Doped Microspheres. Small, 2005, 1, 238-241.	5.2	91
166	Tailoring the Morphology and Assembly of Silver Nanoparticles Formed in DMF. , 2005, , 525-550.		1
167	Flexible Ureasil Hybrids with Tailored Optical Properties through Doping with Metal Nanoparticles. Langmuir, 2004, 20, 10268-10272.	1.6	42
168	Mechanism of Strong Luminescence Photoactivation of Citrate-Stabilized Water-Soluble Nanoparticles with CdSe Cores. Journal of Physical Chemistry B, 2004, 108, 15461-15469.	1.2	263
169	Linear and Nonlinear Optical Response of Silver Nanoprisms:Â Local Electric Fields of Dipole and Quadrupole Plasmon Resonances. Journal of Physical Chemistry B, 2004, 108, 8751-8755.	1.2	72
170	Optical properties of metal nanoparticle coated silica spheres: a simple effective medium approach. Physical Chemistry Chemical Physics, 2004, 6, 5056-5060.	1.3	114
171	Evidence of an aggregative mechanism during the formation of silver nanowires in N,N-dimethylformamide. Journal of Materials Chemistry, 2004, 14, 607-610.	6.7	178
172	Anisotropic Silver Nanoparticles: Synthesis and Optical Properties. , 2003, , 65-75.		3
173	Synthesis of Silver Nanoprisms in DMF. Nano Letters, 2002, 2, 903-905.	4.5	652
174	Biomaterials by Design: Layer-By-Layer Assembled Ion-Selective and Biocompatible Films of TiO2 Nanoshells for Neurochemical Monitoring. Advanced Functional Materials, 2002, 12, 255.	7.8	151
175	Formation of PVP-Protected Metal Nanoparticles in DMF. Langmuir, 2002, 18, 2888-2894.	1.6	536
176	Layer-by-Layer Assembled Mixed Spherical and Planar Gold Nanoparticles:Â Control of Interparticle Interactions. Langmuir, 2002, 18, 3694-3697.	1.6	404
177	Core-Shell Colloids and Hollow Polyelectrolyte Capsules Based on Diazoresins. Advanced Functional Materials, 2001, 11, 122-128.	7.8	145
178	CORE-SHELL NANOPARTICLES AND ASSEMBLIES THEREOF. , 2001, , 189-237.		29
179	Self-Assembly of Silver Particle Monolayers on Glass from Ag+ Solutions in DMF. Journal of Colloid and Interface Science, 2000, 221, 236-241.	5.0	69
180	Binary cooperative complementary nanoscale interfacial materials. Reduction of silver nanoparticles in DMF. Formation of monolayers and stable colloids. Pure and Applied Chemistry, 2000, 72, 83-90.	0.9	238

#	Article	IF	Citations
181	One-Pot Synthesis of Ag@TiO2Coreâ^'Shell Nanoparticles and Their Layer-by-Layer Assembly. Langmuir, 2000, 16, 2731-2735.	1.6	323
182	Formation and Stabilization of Silver Nanoparticles through Reduction byN,N-Dimethylformamide. Langmuir, 1999, 15, 948-951.	1.6	501